

PHILMONT *Mobile* RADIO CLUB INC.

The

B L U R B

AREA
MEMBER

1967
December



he started it all!



Sir William Gilbert - PHYSICIAN - 1590

The BLURB is published monthly by and for the members of the Phil-Mont Mobile Radio Club. Our purpose is to further the interest of amateur radio in general and mobile radio in particular. We endeavor to keep the news accurate, interesting, and educational. Copying and quoting is permitted, with a credit line, and we gladly exchange subscriptions with other clubs.

DEADLINE: All material must be in the hands of the Department Editor before the 15th, as the BLURB is mailed on the last Monday of each month.

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Sam's HALF ACRE G

Best Holiday
wishes from the
Blurb staff!



THE PREZ SEZ

The months of 1967 have slipped by and the Ole Prez would like to take this opportunity to thank the officers, committees, BLURB staff, and members who contributed so much to Phil-Mont during the past year. A group of workers such as this is a most gratifying association and I was most fortunate to have them ride along with me.

The dues you pay for Phil-Mont membership provides very little other than a passport to participate in club activities. If you failed to use your passport to take part in, or direct, club activities, you surely missed the boat. It doesn't take a course in modern math to figure how we got our new bus, it just takes a few members with enough initiative and interest in a project to make it a success. Your interest may be in some other type of activity aligned with Phil-Mont, so if you want more for your money, get in there and start pitching - stop -----! Take part with your ideas and your personal participation to make next year's Phil-Mont reflect some of your efforts.

DE W3YHV

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IT SEEMS TO ME

First, I would like to wish all of our readers a Merry Xmas and a Happy New Year. Secondly, I would like to thank all those who so willingly helped when I took over the BLURB in mid-year; and last, but certainly not least, I would like to offer my best wishes for success in the election to each of our candidates.

For the new year we have some ideas for improving the BLURB. A new deadline schedule; a new cover; and even a few new ideas for content. Limited funds, limited time, and certainly limited ability (on my part) make it rather difficult to keep the BLURB fresh and lively. Thanks to people like our Intrepid Artist, Sam, WA3CNI, and our Technical Editor/Printer, W3QZO, we do at least manage to keep it readable. Hopefully, we will continue to do at least that much during the coming year.

To Shelly Klein, who has so graciously typed this material each month, my sincere thanks. Shelly has been relieved of her duties, not at her request, but because we are trying a new typing arrangement which will permit us to run the deadline a little later, and make the handling of material a little less involved. If it doesn't work out we may be back knocking on the Klein's door once again. Thanks again Shelly.

de K3KUD

PHIL-MONT CALENDAR FOR DECEMBER

Monday Dec. 4 Regular meeting at the Franklin Institute.
Wednesday Dec. 20 Mid-month meeting at K3UWO.
Monday Dec. 25 MERRY CHRISTMAS TO YOU ALL

BLURB folding will be delayed until about January 2 due to the Holiday.

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REGULAR MEETING FOR NOVEMBER

Our November meeting, while short, was very productive. Jim Spencer, W3QQH, filling in for John Tinaglia, W3AWH, presented the Nominating Committee's slate of candidates for the Annual Election. Nominations from the floor were then called for, but there being none, the nominations were closed.

Dr. Norman Schreiber, WA3HEZ, was elected to membership by a unanimous vote and we would like to take this opportunity to say, "Welcome aboard". Dick Klein, W3WXC, made an impassioned plea for Banquet ticket returns, and Hy Hecht, W3WNC, reported on the the sale of prize-drawing tickets.

After the business portion of the meeting was adjourned, all those present retired to the auction area and Hy Hecht took over. All sorts of goodies changed hands, everybody either got a bargain or sold his gear and happy faces were seen everywhere.

* * * * *

THE ANNUAL BANQUET

Held this year at the Alpine Inn, the banquet was enjoyed by all who attended. The band was good, the food satisfactory, and the usual fellowship very much in evidence. The committee reports that 104 persons attended, a fact which made Dick Klein happy in spite of his grey hairs.

On another page in this issue we have listed the names of those who were selected to receive awards. As always, the air of suspense and mystery about the awards was provided by Paul, W3VVS, our Chief Awarder. Chuck Snyder, W3NIP, acted as MC and managed to keep things well in hand.

Door prizes were awarded to 10 XYLS and 3 men and then came the BIG prize drawing for the HW-12. The winner was Charlie, W3GOW, who not only won the feature prize, but also the team captain's prize! How lucky can you get?

All in all the banquet was a success, both socially and from the financial standpoint. Congratulations to the committee under the chairmanship of George Weed, W3MHR.

ANNUAL AWARDS

The following is a list of the Phil-Mont awards presented this year and the recipient of each. Congratulation to you all.

THE LEROY HAUSER AWARD(for continuous outstanding service)

To Charles Greenwood, W3GOW. Charlie has held every office in the club and in so doing has provided much of the serious, steady influence which is so vital to any organization. He has gladly accepted any assignment and completed it without fanfare or thought of commendation. On several occasions he has advanced funds from his own pocket to permit the club to realize a saving in the purchase of equipment. A well deserved award to a fine man.

THE PHIL-MONTER AWARD(for outstanding service during the year)

To Bob Thomas, W3QZO. "SamBob", who has always been active in the affairs of the club, outdid himself this year. In addition to serving as Technical Editor of the BLURB, he also printed the entire BLURB each month, frequently with some very close deadlines. Bob also was active in setting up the RTTY equipment for the new bus and in providing technical assistance in the construction of RTTY converters for club members. The Phil-Monter Award to a real Philmonter.

THE LADY PHIL-MONT AWARD

To Shelly Klein, XYL of W3WXC, for her patience and effort in typing the BLURB each month, helping with the banquet, and still performing her duties as wife and mother.

THE IDUABMUG AWARD

To Joe Elmaleh, K3HIJ, in recognition of the outstanding lapse of memory which caused him to neglect telling Miriam of the Mid-month meeting at their home until after the gang started to arrive.

To Paul Bohlander, W3VVS, and his Awards Committee a salute for an excellent job in selecting the recipients of the awards. This is a job which requires careful evaluation of many people and is not an easy one.

* * * * *

I would like to make note of our feature this month, "Radio - Who, What, and When". It is the work of Sam Kuncovich, WA3CNI (our Intrepid Artist) and is I believe, the first such article ever done for a club publication. Sam is well known for his part in similar historical contributions to the local newspapers in the Philadelphia area, and he has followed the same general format for this article. It has never appeared before and the BLURB is proud of both the material and Sam. (ED)

CANDIDATES FOR OFFICE - 1968

The December meeting will feature the election of officers to serve Phil-Mont for the coming year. An excellent slate of candidates has been provided and it only remains for the membership to make the choice. The list of candidates is as follows:

PRESIDENT

W3MHR-George Weed. George has held the offices of Treasurer and Director and is Chairman of the 1967 Banquet Committee. A member of QCWA, he holds an Extra Class License and DXCC.

W3OWK-Al Joret. Al, who is Vice-President this year and has been a Director previously, is well known for his interest and hard work on behalf of Phil-Mont.

W3VVS-Paul Bohlander. In his role as official greeter, Paul is one of the first Philmonters a new member meets; however, Paul has also served the club as President, Director, and perennial Awards Committee Chairman. (He also works 160 meters!)

SECRETARY

W3JKH - Gerry Baldauf

K3UWO - Bob Mynster

TREASURER

K3NYL - Bob Brangan

WB2SFZ - Wayne Ziegler

DIRECTOR

W3ADV - Fred Shaw

W3SMA - Paul Ives

W3WXC-Dick Klein

* * * * *

RULES OF ELECTION

The following is excerpted from the By-Laws as applicable to the Annual Elections:

Article 12

Section 1 - Elections shall be held annually and shall be in the manner determined by the Board of Directors.

Section 4 - The ballot for the elections in this Association shall be by a closed, written ballot.

Section 6 - Voting. Each member in good standing shall have only one vote on all questions presented for action at a meeting.

Section 7 - Absentee voting. Voting shall be by members in person only. There shall be no absentee ballots or voting by proxy.

John Tinaglia, W3AWH, shall be the Judge of Election this year, and he will be assisted by Jim Spencer, W3QQH and Hal Rausch, W3AHP.

RADIO - WHO, WHAT, AND WHEN

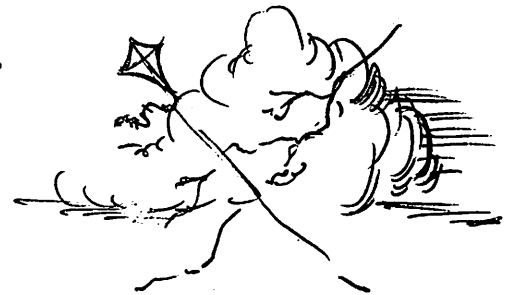
It all started in London, England, in the year 1590 when Dr. William Gilbert, physician to Queen Elizabeth, began with curiosity to investigate the peculiar properties of the lodestone and amber, the magnetic action of the lodestone and the static attraction of amber. He found the mysterious force in amber that came alive with friction, and he called it electricity after the Greek word "electron" (for amber). In the year 1600 he published and released to the world his findings and results of his experiments.



SIR WILLIAM GILBERT
1540-1603

Many years went by, and many more experiments by many doctors and scientists the world over until 1729 when English scientist, Stephen Gray, was able to transmit a charge of electricity for a distance of 700 feet. He had introduced the "conductor" and established the fact of positive and negative charges of electricity.

The University of Leiden in the Netherlands around 1750 developed the Leyden (town name) Jar for the storage of electricity, thus came the first battery (wet cell).



Ben Franklin made use of this jar in 1752 with his kite experiment and soon added proof of his theories on electrons and protons.

Twenty-eight years later in Italy, Luigi Galvani discovered the "flow" of electrical current with his experiments with frogs' legs and, at the same time, added to the medical knowledge of the world.



GALVANI
1737-1798

Alessandro Volta, of Italy too, developed the means of producing electrical energy by the contact of different metals and moisture, thereby the invention of the dry cell battery in the year 1800.

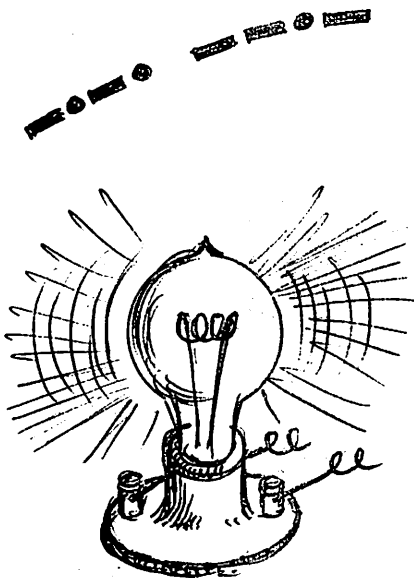
Hans Christian Oersted of Copenhagen in 1820 gave to the world electromagnetism and discovered the generation of heat by electricity.

The so-called birth of the electrical age on October 17, 1831, came when Michael Faraday first demonstrated the electric generator and formed the three finger rule of conductor, magnetic flux, and current.

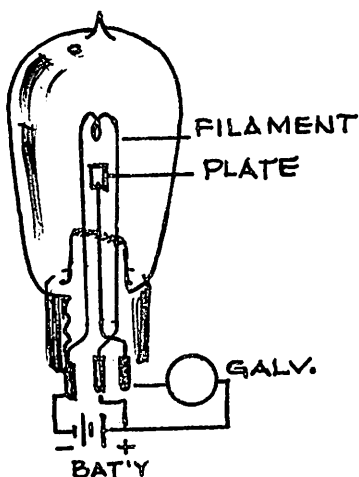


FARADAY
1791-1867

An American scientist, Joseph Henry, who was head of the Smithsonian Institute, created an electromagnet. Credit is also given to William Sturgeon of England; he too invented an electromagnet.



VOLTA-1745-1827



THE FLEMING VALVE

The inspiring talks of a Dr. Jackson on his experiments and those of Frenchman Andre Ampere (physicist) in the field of electricity led Samuel F. B. Morse with his assistant, Jeremiah Day of Yale University, to the creation of the telegraph and the Morse Telegraph Code. The first working telegraph was completed and operated in 1835, just three years after his meeting with Dr. Jackson in October, 1832.

Thomas A. Edison with his filament lamp, patented in 1883, had the "vacuum tube" in his hand and did not realize it. The electrical and magnetic charges that were created in his lamp, (he knew they were there) he called the "Edison Effect".

On March 10, 1876, Alexander Graham Bell and his assistant, Thomas A. Watson, discovered the means of voice transmission over a wire. This happened by accident at the end of a day of failures; but, however it came, it was another step in the age of electricity.

British scientist, Sir J. J. Thomson, was intrigued by Edison's lamp and its strange actions. After some years of experimenting and calculating, he documented and explained his theory of the Edison Effect.

The theories of Thomson on the Edison Effect were used by Sir John Fleming in 1904 to develop what was called the Fleming valve or the first diode vacuum tube, also known as a rectifier.

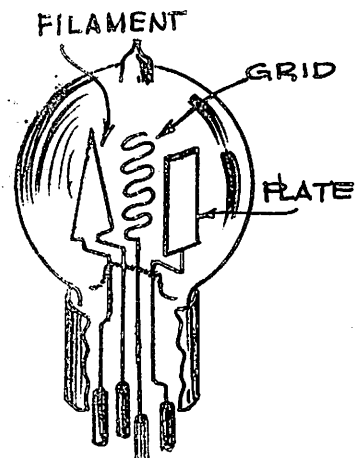
Most historians say the birth of radio came in 1906 when the American engineer, Lee DeForest, went a step further and invented the triode or audio tube. This was done by the placing of a wire grid between the filament and the plate of the Fleming valve. James C. Maxwell, the man called the father of electronics, who by the use of mathematical analysis, developed many of the theories in use today.

It was these facts that were used by Heinrich Hertz of Germany in some experiments with a Leyden Jar and coils of wire. He noticed the discharge of the jar through one coil induced an appreciable current in the second coil, provided there was a spark gap in the inducing coil. He followed this event with other experiments and proved some of Maxwell's theories by sending an electrical wave across space. Though he did not truly know this, he was transmitting a radio signal. Later, in 1887, Hertz invented the photo electric tube, and the age of electronics took another giant step.

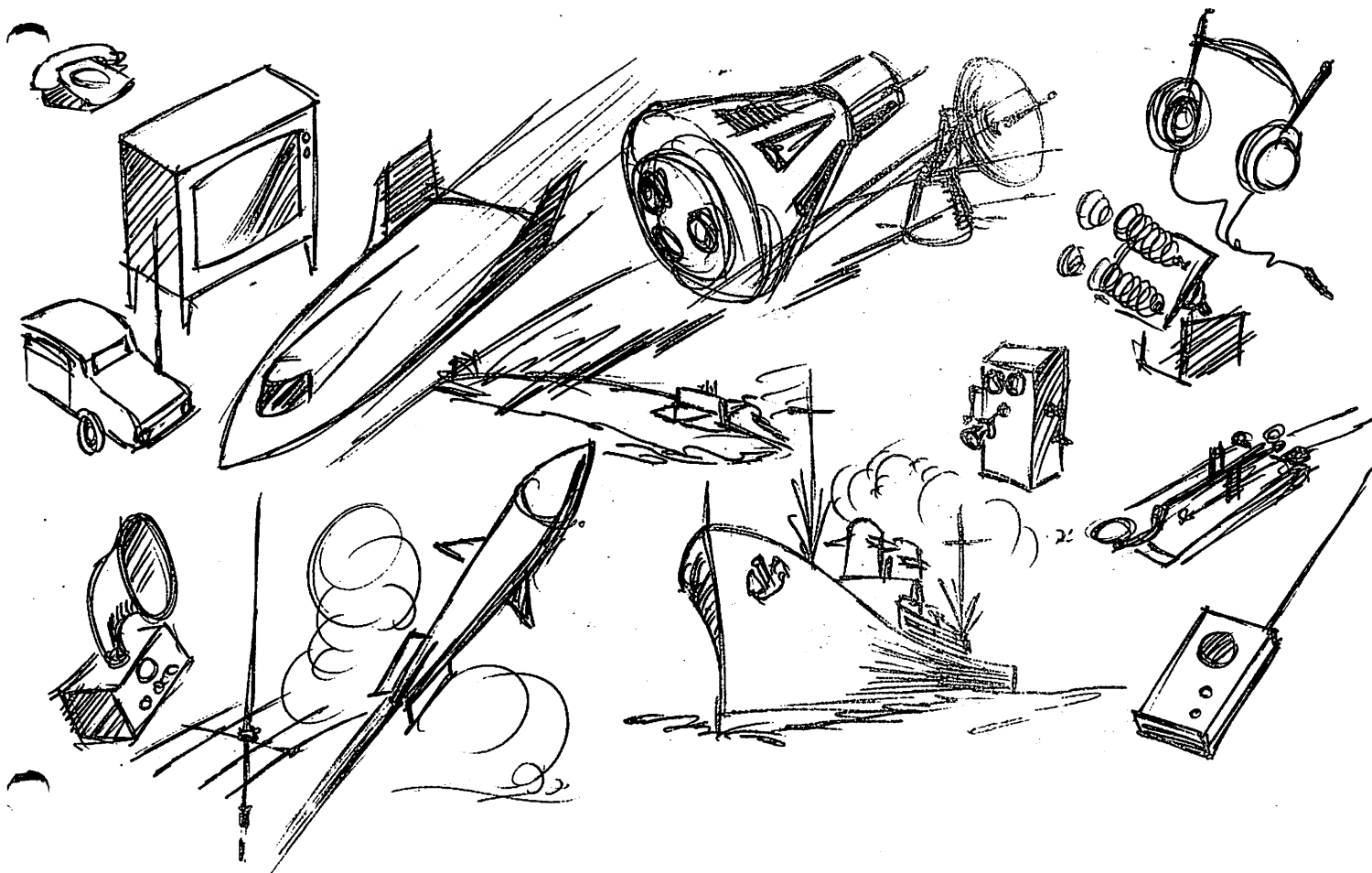
A long hard history of experiments with both success and failure had paved the way for Guglielmo Marconi who, in 1895, gave to the world its first radio telegraph or, as it was known, the wireless.

But along the sidelines of the history of electronics are many that gave small but significant strength to the growing electronic giant. Some of them you may know, others no one will ever know:

Marcet
 Sir Humphry Davy
 Coulomb
 Leonard Gale
 Alfred Vale
 Oliver Lodge
 Ernest Rutherford
 F. K. Vreeland
 R. A. Fessenden
 A. Meissner
 E. A. Armstrong
 C. S. Franklin
 H. J. Round
 Irving Langmuir
 Gauss



DE FOREST TRIODE



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SEASON'S GREETINGS FROM THE PHIL-MONT BLURB